

Title (en)

Aqueous polyurea dispersions prepared by an emulsion polymerization process.

Title (de)

Ausgehend von einem Emulsionspolymerisationsverfahren hergestellte, wässrige Polyharnstoffdispersionen.

Title (fr)

Dispersions de polyuréées, aqueuses préparées par un procédé de polymérisation d'émulsion.

Publication

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Application

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Priority

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Abstract (en)

The present invention is directed to a process for the preparation of an aqueous polyurea dispersion by a) dispersing in water at an NCO:NH equivalent ratio of 0.5:1.0 to 2.0:1.0 i) a polyisocyanate which has an average functionality of 1.5 to 4.0 and an isocyanate content of at least 12% by weight and ii) a polyamine having at least two primary and/or secondary amino groups and a molecular weight of at least at an NCO:OH equivalent ratio of 0.5:1.0 to 2.0:1.01000 and b) allowing the polyisocyanate and polyamine to react to form an aqueous polyurea dispersion. The present invention is also directed to the aqueous polyurea dispersion prepared by this process.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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